

Appendix A

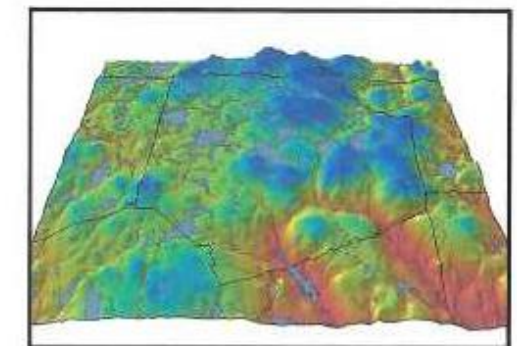
Supplemental Maps and Land Use & Land Cover Information

Soils

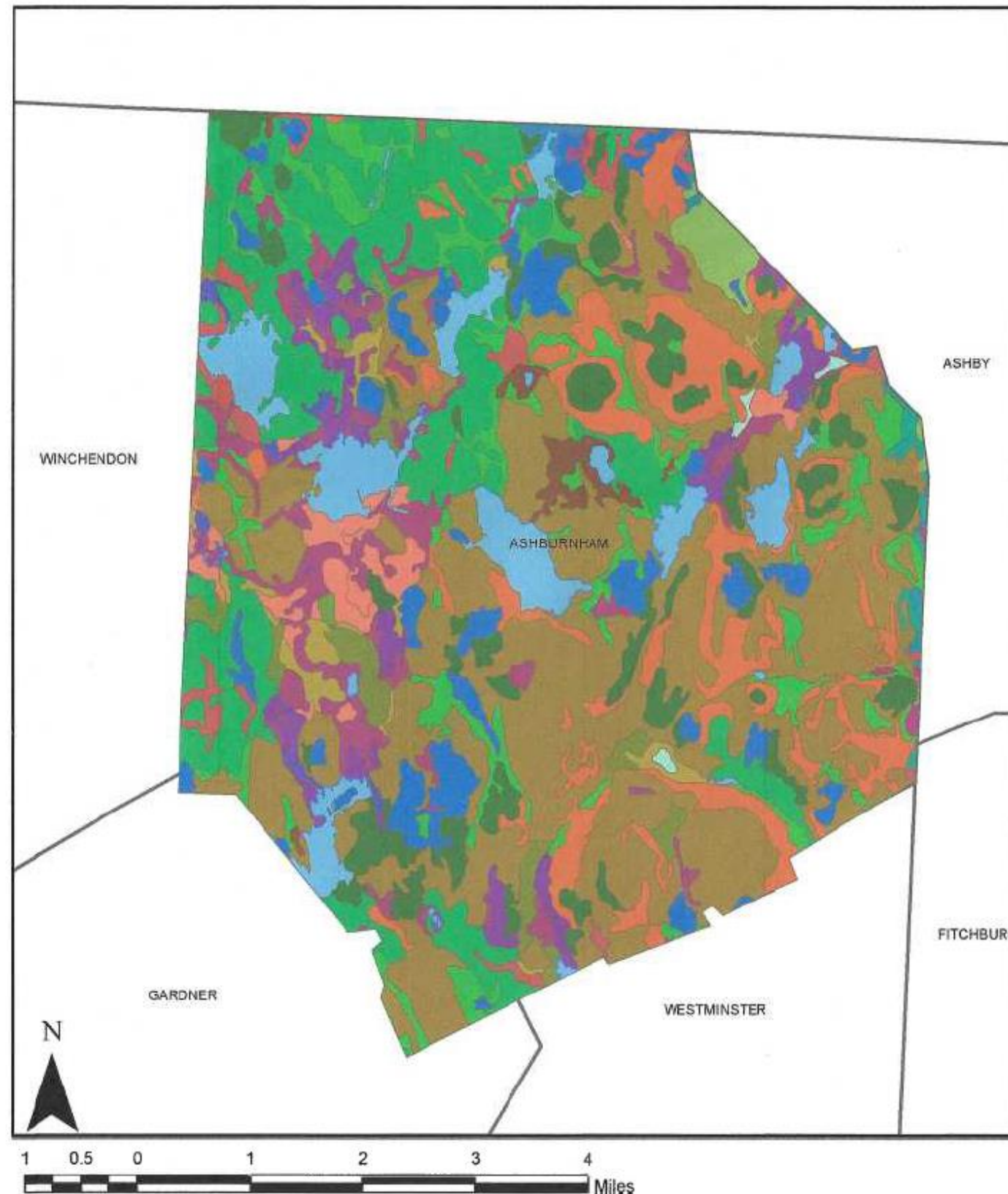
Due to the varied topography and its glacial history, Ashburnham has an abundance of soil types. Volcanic activity, shifting faults, erosion, and glaciation contributed to the landscape we see today as well as to the bedrock from which soil types derive. The terrain and soils contribute to Ashburnham's characteristic rocky uplands and marshy lowlands.

Marlow-Peru soils are the dominant type, making up about 40% of the total area. This soil is typically found in upland, sloping areas and tends to be rocky and moderate to well-drained. Lowland soils tend to be poorly drained resulting in numerous marshes and wetlands.

Poorly draining soils constrain development around lakes and in lowland areas due to poor septic suitability. Rocky soils with poor drainage also limit agricultural uses and explain the lack of farming in the town's history.



Topography of Ashburnham



Soil Types

- Adams Loamy Sand
- Allagash Fine Sandy Loam
- Becket Fine Sandy Loam
- Becket-Monadnock Association
- Becket-Skerry Association
- Berkshire-Marlow Association
- Bucksport and Wonsqueak Mucks
- Canton Fine Sandy Loam
- Charlton-Chatfield-Hillis Association
- Charlton-Paxton Association
- Colton Gravelly Loamy Sand
- Crogham Loamy Fine Sand
- Greenwood and Chocorua Mucks
- Hickley Loamy Sand
- Lyman-Tunbridge-Berkshire Association
- Naumberg Fine Sandy Loam
- Paxton Fine Sandy Loam
- Peru-Marlow Association
- Pillsbury-Peacham Association
- Pits, Sand and Gravel
- Ridgebury-Whitman Association
- Searsport Loamy Sand
- Skerry Fine Sandy Loam
- Tunbridge-Lyman-Berkshire Association
- Water
- Woodbridge Fine Sandy Loam
- Woodbridge-Paxton Association

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FIGURE A1 - SOILS

Active farms in Ashburnham are listed below. Although not listed since the owners do not advertise for direct sales to the public (e.g. Red Top Blueberry Farm), other Ashburnham farms grow hay and blueberries, among other crops.

Interestingly, most farms are concentrated in the central, southern and eastern portions of the town, while the prime soils mostly occur on the west side of town. As shown in Figure 6, Ashburnham has relatively little prime agricultural soil (<20% of the area), mostly in valleys. Regardless, many of the town's farms are located in uplands on fertile glacial till, including the largest farms, i.e. Kalon, Timberlost, Breezy Acres and Wildwood.

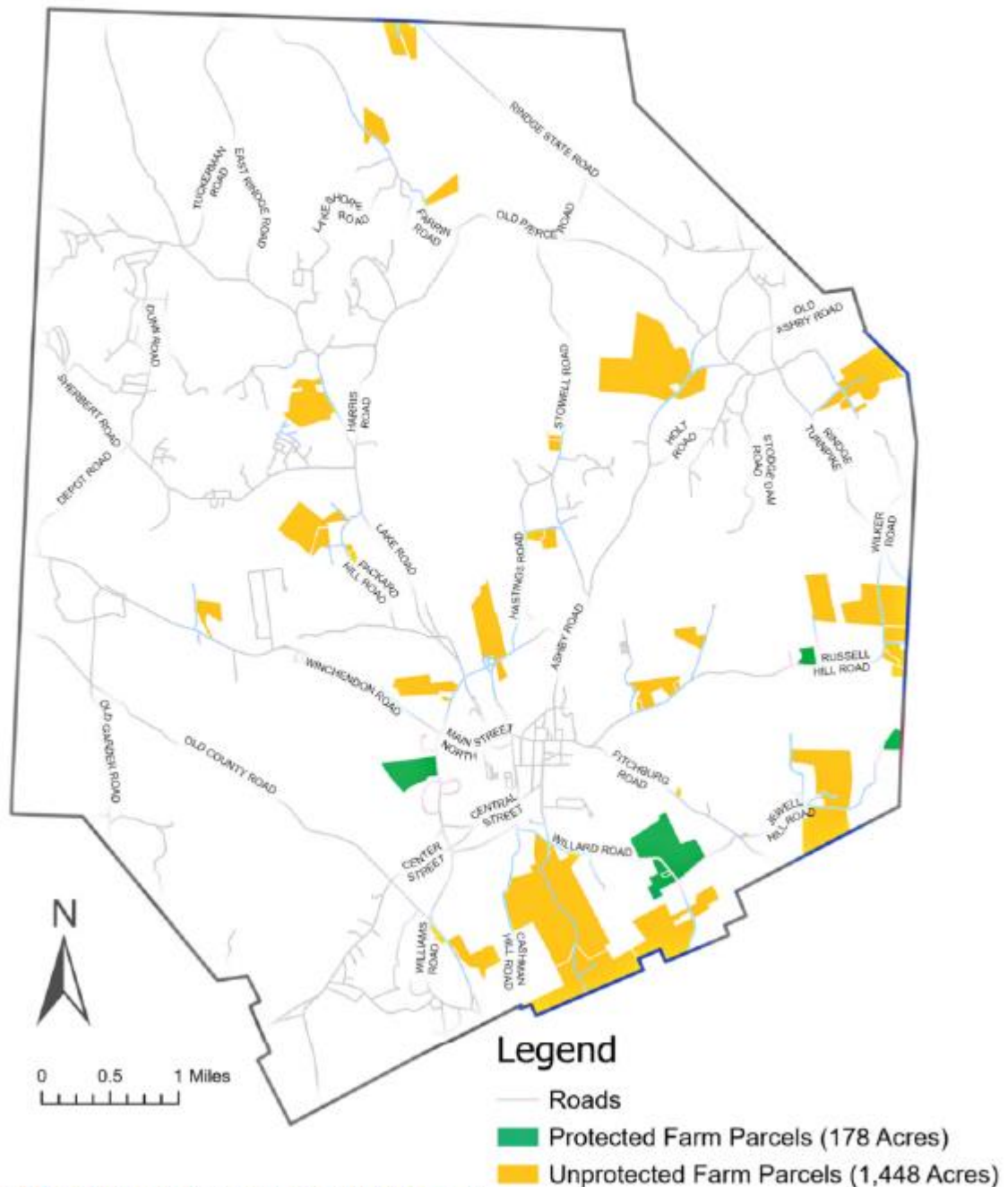
FARMS IN ASHBURNHAM

| FARM | PRODUCT |
|---|--|
| Breezy Hill Farm | Eggs, Beef, Sheep, Pigs, Chickens, Produce and Orchards |
| Crowover Farm | Eggs, Produce, Pork |
| Hames & Axle Farm (& Surfing Goat Soaps) | Goat-milk Products |
| JK's Good Thyme Farm | Eggs, Pork, Produce |
| Kalon Farm | Beef, Chicken, Pork |
| Koljian Farm | Eggs, Produce |
| Lone Larch Farm | Eggs, Produce |
| Moonlight Farm | Eggs, Chicken, Turkey, Pork, Produce |
| Odd Pine Farm | Blueberries |
| Slightly Off Course Farm | Eggs, Goats, Produce |
| Timberlost Farm | Beef, Hay |
| Wildwood Farm | Eggs, Grains, Hay, Beef, Chicken, Turkey, Pork, Produce. Also Horse Stables. |

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FIGURE A2-A: PROTECTED FARM PARCELS



Prepared by: Mount Grace Land Conservation Trust,
Sources: Mount Grace Ashburnham Farmland Inventory and MassGIS

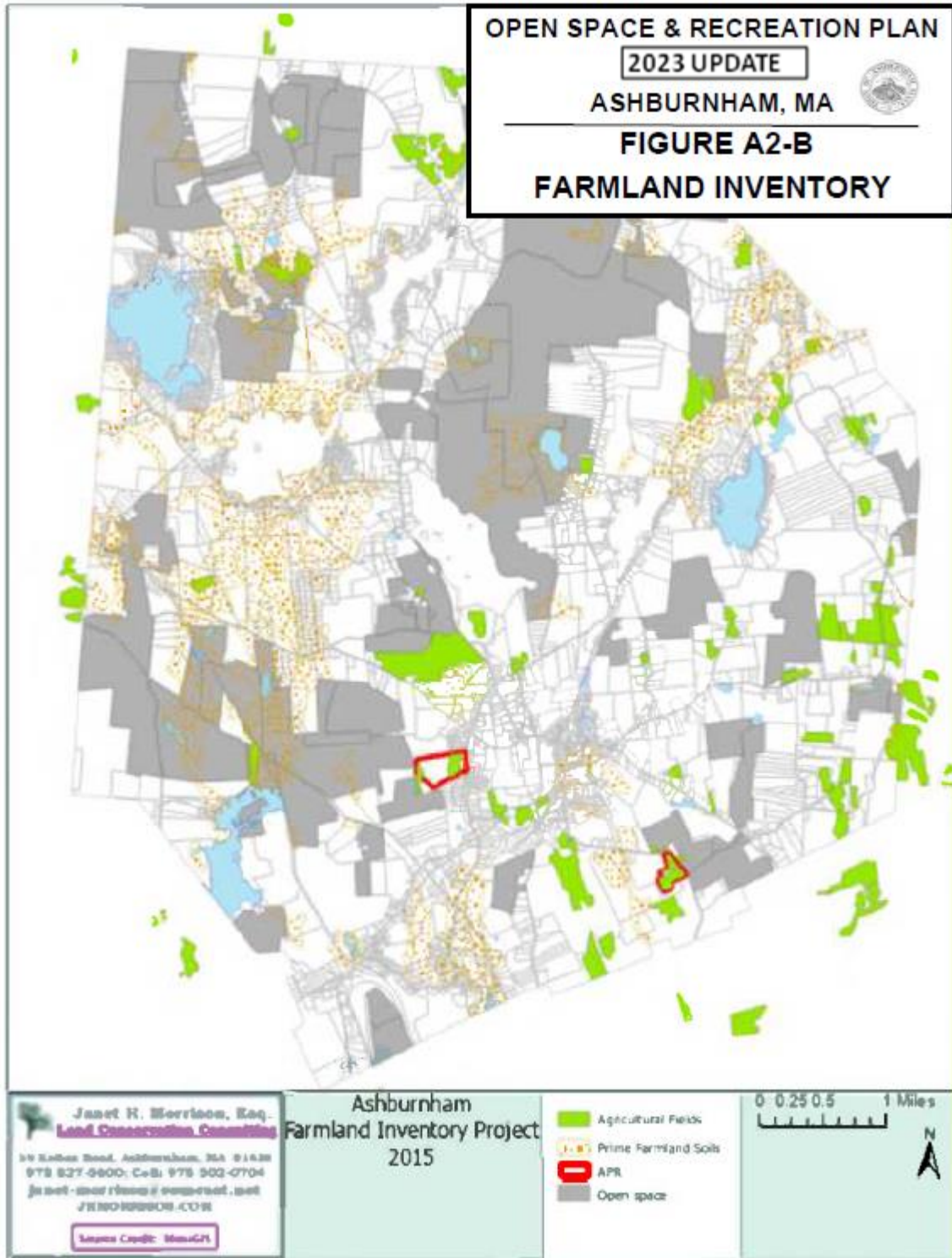
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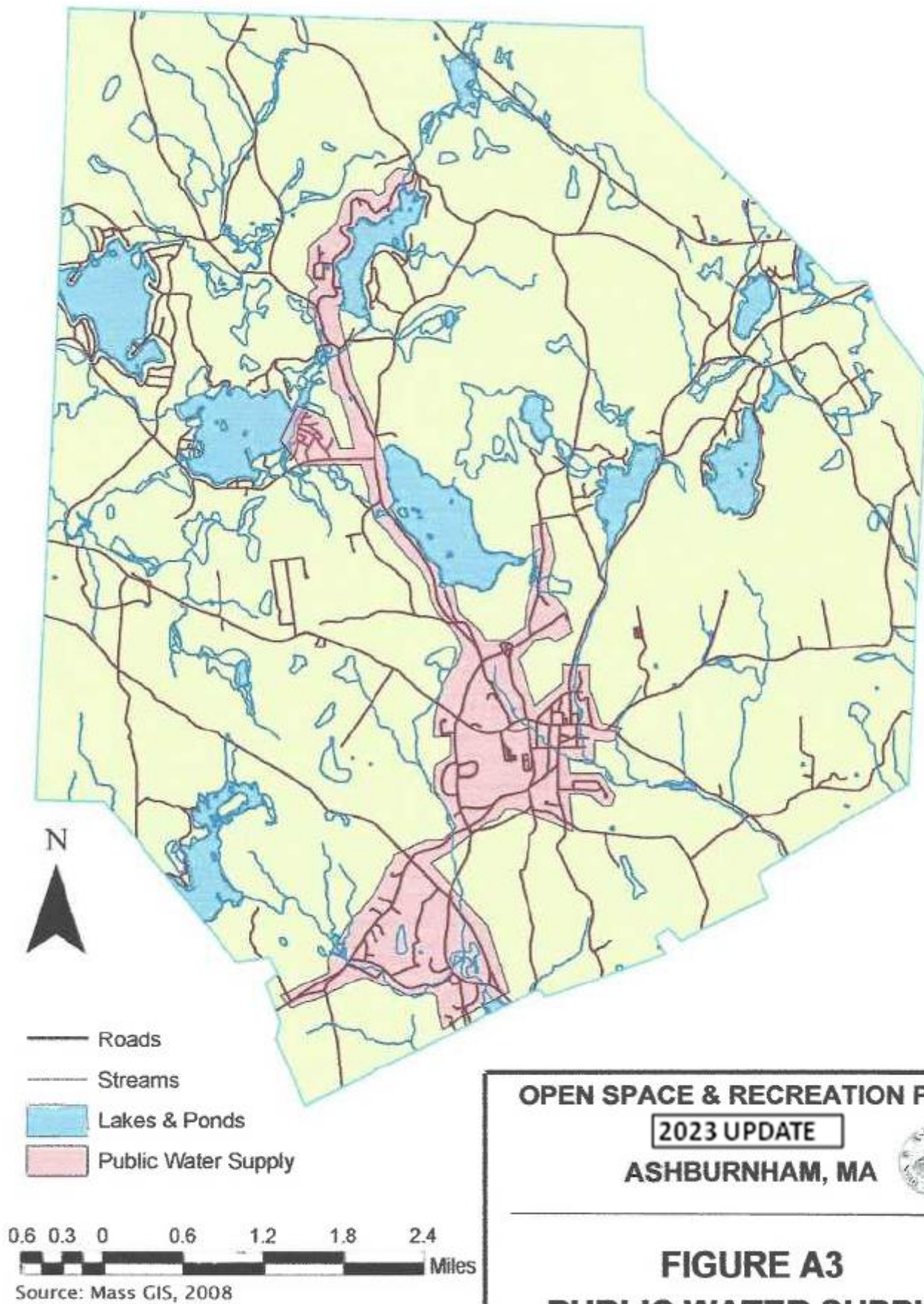
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FIGURE A2-B
FARMLAND INVENTORY





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FIGURE A3
PUBLIC WATER SUPPLY
SERVICE AREA

Water Resources

The Nashua Watershed flows northward through Middlesex and Worcester Counties from the Wachusett Reservoir to the Souhegan Watershed basin in Ashburnham and the Merrimack Watershed in southern New Hampshire. Over its course, the basin drains 31 communities, covers 538 square miles, and provides drinking water to more than one million people. In Ashburnham, the watershed encompasses the southern portion of town, including Lake Wampanoag, Winnekeag Lake, Lincoln Pond, and Phillips Brook. The headwaters of the Millers Watershed are located in New Hampshire and Ashburnham and empty west, into the Connecticut River Watershed. The watershed drains a total of 392 square miles and goes through 17 communities. Some of the steepest areas in Massachusetts are encompassed in the Millers Watershed, 81% of which is forest. The remaining 19% of land drained by the Millers includes 6% farmland, 6% wetlands, and 7% urban including the towns of Gardner, Athol, and Orange. The Souhegan Watershed encompasses a small portion of Ashburnham before draining northeasterly into Ashby and nine communities in New Hampshire. It then meets water from the Nashua Watershed where both drain into the Merrimack, and on to the Atlantic Ocean. The Souhegan drains 170 square miles.

Legend

- Wellhead Protection Area Zone II
- Vernal Pool

- Non-Forested Wetlands
- Forested Wetlands

Streams and Channels

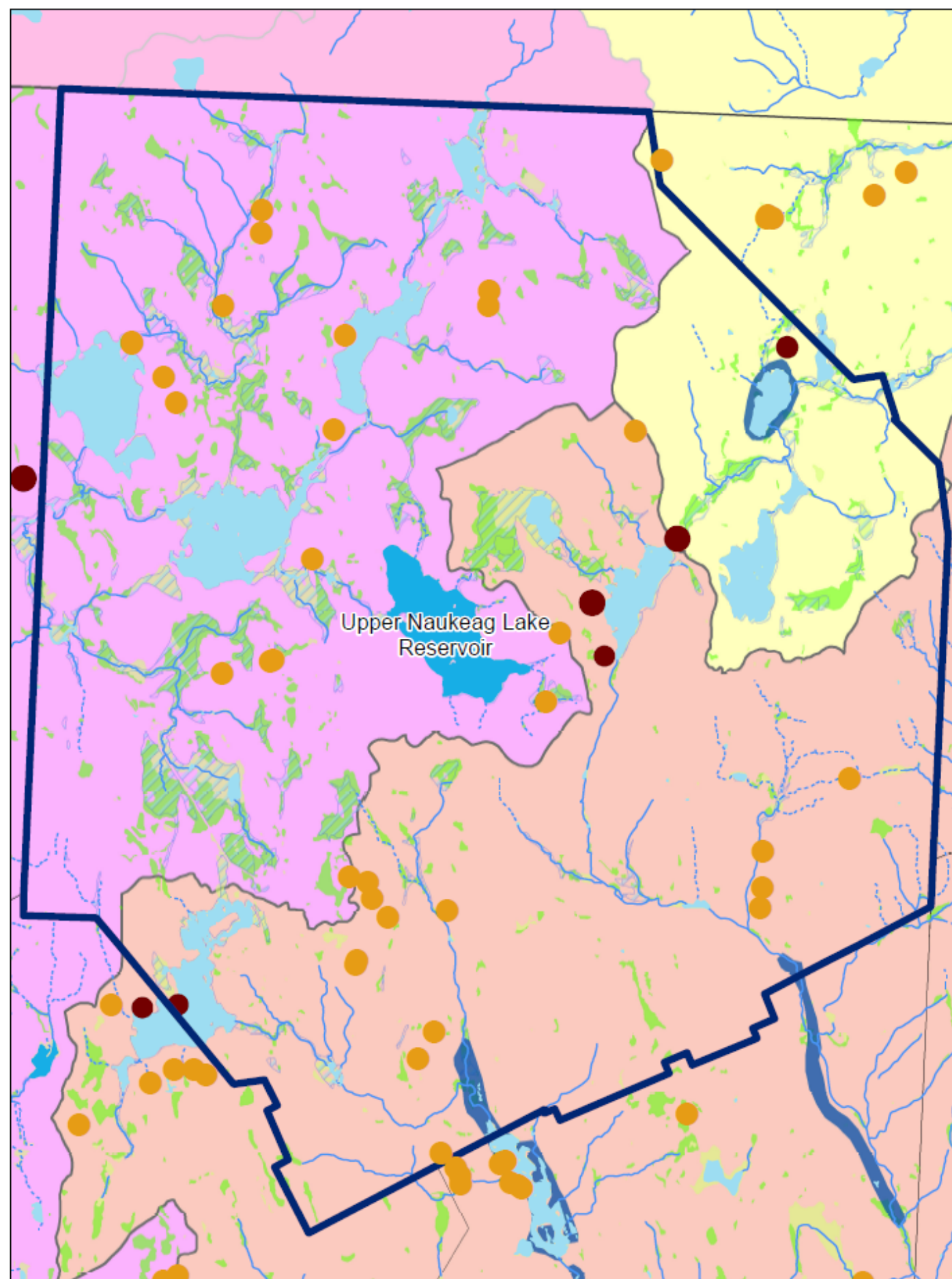
- Perennial Stream
- Intermittent Stream

Water Bodies

- Pond or Lake
- Reservoir
- Medium Yield Aquifer
- Flood Zone A

Major Basins

- Merrimack
- Millers
- Nashua



Source: MassGIS (2021);
Ashburnham Source Water
Protection Plan (2006);
FEMA (1984)



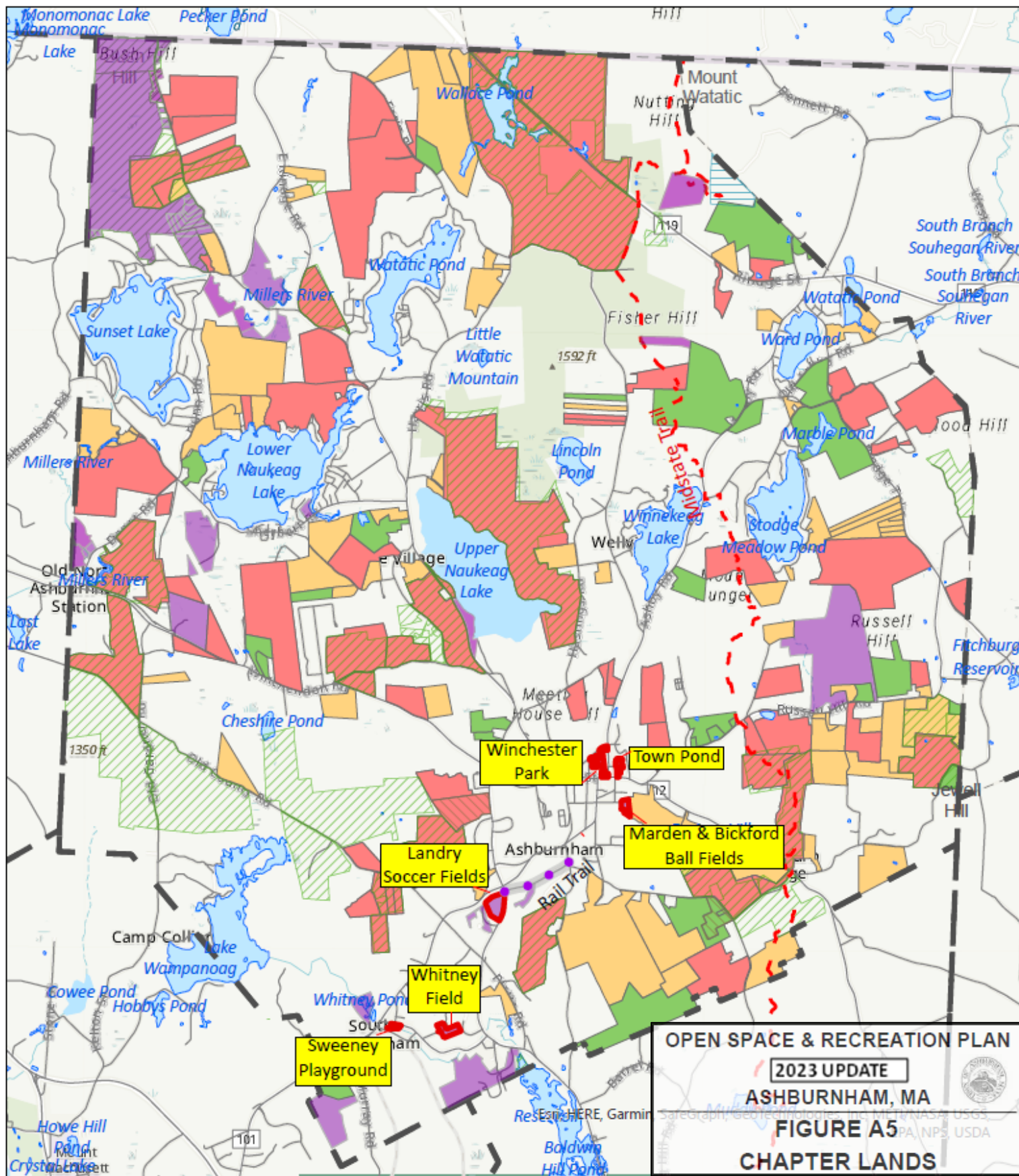
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FIGURE A4

WATER RESOURCES

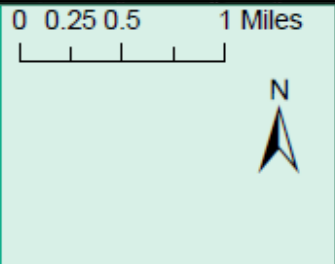


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ASHBURNHAM, MA
FIGURE A5
CHAPTER LANDS

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 Source Credit: MassGIS

Town of Ashburnham
 Town Conservation Land
 Town Parkland
 Town Parks

Chapter Land
 CHAPTER 61
 CHAPTER 61A
 CHAPTER 61B
 CONSERVATION INTEREST
 Conservation Restriction
 Agricultural Preservation Restriction



RINDGE, NH

NEW IPSWICH, NH

Ashburnham, MA Open Space & Recreation Plan: Open Space Inventory (April 2023)



ASHBY

118

WINCHENDON

12

12

101

12

WESTMINSTER

FITCHBURG

GARDNER

101

DATA SOURCES: MazonGIS, MazonDOT, the Town of Ashburnham, and the MRPC.
DISCLAIMER: The information depicted on this map is for planning purposes only. All data are representational and are not adequate for boundary definition, regulatory interpretation, or parcel-based analysis.
PREPARED BY:
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GIS Department, April 2023
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Legend

US & State Routes

Other Roads

++ Active Rail Lines

Community Boundaries

Streams & Rivers

Lakes, Ponds & Reservoirs

Open Space by Owner

- DCR
- Dept. of Fish & Game
- Land Trust/Cons. Organ.
- Town - Conservation
- Town - Recreation
- Other Municipalities

Protection Mechanism

- Agricultural Preservation Restriction
- Conservation Restriction
- Chapter 61
- Chapter 61A
- Chapter 61B